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(54) Title: DIGITALLY MAPPED FORMULAIC COLOR SPACE AND METHOD OF MAKING AND USING SAME

(57) Abstract: A method of mapping color space with chromatic formulations, comprising the steps of (a) selecting a limited number of chromatics for use with a bulk material using selection criteria; (b) formulating the selected chromatics with white or black in the bulk material to generate a plurality of chromatic formulations, wherein such plurality of chromatic formulations populate a desirable volume of color space; and (c) computing additional chromatic formulations using algorithms reflecting the contributions of chromatics, white, and black to color, and incremental substitutions thereof. Optional steps in the method are also disclosed. The result can be a database of generated nodes and computed nodes filling desired regions or even the entirety of color space for a given polymeric bulk material. Usefulness includes the ability create, store and communicate chromatic formulations for the generated nodes, the computed nodes, or both for use anywhere in the world via electronic commerce of color matching.



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